

Chapter 17

SNMPD System Log Messages

This chapter describes messages generated by the Simple Network Management Protocol (SNMP) agent process (`snmpd`), which responds to SNMP requests. As necessary, it passes the requests to subagent processes running on its machine and forwards the traps they generate to the SNMP manager.

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SNMPD_ACCESS_GROUP_ERROR

System Log Message	SNMPD_ACCESS_GROUP_ERROR: <i>function-name</i> : error in <i>operation-type</i> access group ' <i>group-name</i> ' context ' <i>context-name</i> ' model ' <i>model</i> ' level ' <i>level</i> '
Description	The indicated operation (creation, installation, or deletion) failed during configuration of the indicated access group.
Type	Error: An error occurred
Severity	error
Cause	An internal software failure occurred.
Action	Contact your technical support representative.

SNMPD_AUTH_FAILURE

System Log Message	SNMPD_AUTH_FAILURE: <i>function-name</i> : <i>auth-message</i> from <i>source-address</i> to <i>destination-address</i> (<i>index1</i>)
Description	The indicated function failed because the authorization check failed for the interface, SNMP community, or user making the request.
Type	Error: An error occurred
Severity	notice
Cause	An internal software failure occurred.
Action	Contact your technical support representative.

SNMPD_AUTH_PRIVILEGES_EXCEEDED

System Log Message	SNMPD_AUTH_PRIVILEGES_EXCEEDED: <i>function-name</i> : <i>source-address</i> : request exceeded community privileges
Description	The indicated function failed because the SNMP community making the access request did not have the required privileges.
Type	Error: An error occurred
Severity	notice
Cause	An internal software failure occurred.
Action	Contact your technical support representative.

- SNMPD_AUTH_WRONG_PDU_TYPE

- - **System Log Message** SNMPD_AUTH_WRONG_PDU_TYPE:
function-name : source-address: unauthorized SNMP PDU type: *pdu-type*
 - **Description** The indicated function failed because the indicated type of protocol data unit (PDU) is not supported.
 - **Type** Error: An error occurred
 - **Severity** notice
 - **Cause** An internal software failure occurred.
 - **Action** Contact your technical support representative.

- SNMPD_CONFIG_ERROR

- - **System Log Message** SNMPD_CONFIG_ERROR:
Configuration database has errors
 - **Description** The SNMP agent process (snmpd) detected an error in the SNMP configuration database.
 - **Type** Error: An error occurred
 - **Severity** error

- SNMPD_CONTEXT_ERROR

- - **System Log Message** SNMPD_CONTEXT_ERROR:
function-name : error in operation-type context context-name
 - **Description** The indicated operation (addition or deletion) failed during configuration of the indicated SNMP context.
 - **Type** Error: An error occurred
 - **Severity** error
 - **Cause** An internal software failure occurred.
 - **Action** Contact your technical support representative.

SNMPD_ENGINE_FILE_FAILURE

System Log Message	SNMPD_ENGINE_FILE_FAILURE: <i>function-name</i> : operation: <i>operation-type</i> <i>filename</i> : <i>error-message</i>
Description	The SNMP agent process (snmpd) could not perform the indicated operation on the indicated SNMP engine data file.
Type	Error: An error occurred
Severity	critical
Cause	An internal software failure occurred.
Action	Contact your technical support representative.

SNMPD_ENGINE_PROCESS_ERROR

System Log Message	SNMPD_ENGINE_PROCESS_ERROR: <i>function-name</i> : <i>from-path</i> : undecodable/unmatched subagent response
Description	The SNMP agent process (snmpd) could not process a message from a subagent.
Type	Error: An error occurred
Severity	error
Cause	An internal software failure occurred.
Action	Contact your technical support representative.

SNMPD_FILE_FAILURE

System Log Message	SNMPD_FILE_FAILURE: <i>function-name</i> : fopen <i>filename</i> : <i>error-message</i>
Description	The SNMP agent process (snmpd) could not access the indicated file.
Type	Error: An error occurred
Severity	emergency
Cause	An internal software failure occurred.
Action	Contact your technical support representative.

SNMPD_GROUP_ERROR

- **System Log Message** SNMPD_GROUP_ERROR:
function-name : error in *operation-type* group: '*group-name*' user '*username*' model '*model-name*'
- **Description** The indicated operation (creation, installation, or deletion) failed during configuration of the indicated group.
- **Type** Error: An error occurred
- **Severity** error
- **Cause** An internal software failure occurred.
- **Action** Contact your technical support representative.

SNMPD_INIT_FAILED

- **System Log Message** SNMPD_INIT_FAILED:
snmpd initialization failure: *error-message*
- **Description** Initialization of the SNMP agent process (snmpd) failed.
- **Type** Error: An error occurred
- **Severity** error
- **Cause** An internal software failure occurred.
- **Action** Contact your technical support representative.

SNMPD_LIBJUNIPER_FAILURE

- **System Log Message** SNMPD_LIBJUNIPER_FAILURE:
function-name : system_default_inaddr: *error-message*
- **Description** The indicated function from the Juniper Networks SNMP library failed and returned the indicated error to the SNMP agent process (snmpd).
- **Type** Error: An error occurred
- **Severity** error
- **Cause** An internal software failure occurred.
- **Action** Contact your technical support representative.

SNMPD_LOOPBACK_ADDR_ERROR

System Log Message	SNMPD_LOOPBACK_ADDR_ERROR: <i>function-name</i> : error <i>error-message</i> on sending ifaddr routing socket
Description	The SNMP agent process (snmpd) received the indicated error message when it requested a system loopback address.
Type	Error: An error occurred
Severity	error
Cause	An internal software failure occurred.
Action	Contact your technical support representative.

SNMPD_MEMORY_FREED

System Log Message	SNMPD_MEMORY_FREED: <i>function-name</i> : called for <i>freed</i> - already freed
Description	The SNMP agent process (snmpd) could not free memory used for communication with a subagent.
Type	Error: An error occurred
Severity	error
Cause	An internal software failure occurred.
Action	Contact your technical support representative.

SNMPD_RADIX_FAILURE

System Log Message	SNMPD_RADIX_FAILURE: <i>function-name</i> : radix_add failed: <i>error-message</i>
Description	The SNMP agent process (snmpd) uses radix trees to store valid client prefixes, which are used to determine authorization for requests from users and communities. It could not create a new entry in a radix tree.
Type	Error: An error occurred
Severity	error
Cause	An internal software failure occurred.
Action	Contact your technical support representative.

SNMPD_RECEIVE_FAILURE

- **System Log Message** SNMPD_RECEIVE_FAILURE:
function-name : receive *receive-type* failure: *error-message*
- **Description** The SNMP agent process (snmpd) could not receive a protocol data unit (PDU) from UDP or a message from a subagent.
- **Type** Error: An error occurred
- **Severity** error
- **Cause** An internal software failure occurred.
- **Action** Contact your technical support representative.

SNMPD_RMONFILE_FAILURE

- **System Log Message** SNMPD_RMONFILE_FAILURE:
function-name : operation: *operation-type* *filename* : *error-message*
- **Description** The indicated operation failed on the indicated RMON data file.
- **Type** Error: An error occurred
- **Severity** critical
- **Cause** An internal software failure occurred.
- **Action** Contact your technical support representative.

SNMPD_RMON_COOKIE

- **System Log Message** SNMPD_RMON_COOKIE:
function-name : Null cookie
- **Description** An invalid data pointer was returned when the RMON asynchronous completion handler performed an RMON alarm operation.
- **Type** Error: An error occurred
- **Severity** error
- **Cause** An internal software failure occurred.
- **Action** Contact your technical support representative.

SNMPD_RMON_EVENTLOG

System Log Message	SNMPD_RMON_EVENTLOG: <i>function-name</i> : <i>log-message</i>
Description	The indicated RMON event completed.
Type	Event: This message reports an event, not an error
Severity	warning

SNMPD_RMON_IOERROR

System Log Message	SNMPD_RMON_IOERROR: <i>function-name</i> : Received io error, entry (<i>alarm-index</i>), error code (<i>error-code</i>)
Description	An RMON alarm MIB request being processed by the SNMP agent process (snmpd) failed with an I/O error.
Type	Error: An error occurred
Severity	error
Cause	An internal software failure occurred.
Action	Contact your technical support representative.

SNMPD_RMON_MIBERROR

System Log Message	SNMPD_RMON_MIBERROR: <i>function-name</i> : internal Get request error: <i>description</i> , alarm <i>alarm-id</i> , error <i>error-type</i> , variable: <i>variable-name</i> (<i>oid</i>)
Description	A Get request for a monitored object instance failed during initialization of the indicated RMON alarm.
Type	Error: An error occurred
Severity	error
Cause	An internal software failure occurred.
Action	Contact your technical support representative.

SNMPD_RTSLIB_ASYNC_EVENT

System Log Message	SNMPD_RTSLIB_ASYNC_EVENT: <i>function-name</i> : sequence mismatch (<i>expected-value</i> , <i>received-value</i>), resyncing
Description	A notification from the kernel to the SNMP agent process (snmpd) was lost.
Type	Event: This message reports an event, not an error
Severity	notice

- SNMPD_SEND_FAILURE

- **System Log Message** SNMPD_SEND_FAILURE:
function-name : send *send-type* (*index1*) failure: *error-message*
- **Description** The SNMP agent process (snmpd) could not send a protocol data unit (PDU) to UDP or a message to a subagent.
- **Type** Error: An error occurred
- **Severity** error
- **Cause** An internal software failure occurred.
- **Action** Contact your technical support representative.

- SNMPD_SOCKET_FAILURE

- **System Log Message** SNMPD_SOCKET_FAILURE:
function-name : socket failure: *socket-error* (*error-message*)
- **Description** The SNMP agent process (snmpd) uses sockets for communication with subagents. It could not create or remove a socket.
- **Type** Error: An error occurred
- **Severity** error
- **Cause** An internal software failure occurred.
- **Action** Contact your technical support representative.

- SNMPD_SUBAGENT_NO_BUFFERS

- **System Log Message** SNMPD_SUBAGENT_NO_BUFFERS:
No buffers available for subagent (*subagent-name*)
- **Description** The SNMP agent process (snmpd) uses buffers for communication with subagents. No buffers were available for communication with the indicated subagent.
- **Type** Error: An error occurred
- **Severity** notice
- **Cause** An internal software failure occurred.
- **Action** Contact your technical support representative.

SNMPD_SUBAGENT_SEND_FAILED

System Log Message	SNMPD_SUBAGENT_SEND_FAILED: Send to subagent failed (<i>subagent-name</i>): <i>error-message</i>
Description	The SNMP agent process (snmpd) could not send a message to the indicated subagent.
Type	Error: An error occurred
Severity	error
Cause	An internal software failure occurred.
Action	Contact your technical support representative.

SNMPD_SYSLIB_FAILURE

System Log Message	SNMPD_SYSLIB_FAILURE: <i>function-name</i> : system function ' <i>system-function</i> ' failed: <i>error-message</i>
Description	The indicated function from the SNMP system library failed and returned the indicated error to the SNMP agent process (snmpd).
Type	Error: An error occurred
Severity	error
Cause	An internal software failure occurred.
Action	Contact your technical support representative.

SNMPD_THROTTLE_QUEUE_DRAINED

System Log Message	SNMPD_THROTTLE_QUEUE_DRAINED: <i>function-name</i> : cleared all throttled traps
Description	The queue of throttled traps was cleared.
Type	Event: This message reports an event, not an error
Severity	info

SNMPD_TRAP_COLD_START

System Log Message	SNMPD_TRAP_COLD_START: <i>function-name</i> : SNMP trap: cold start
Description	The SNMP agent process (snmpd) generated a cold-start trap when the entire Routing Engine (including snmpd) initialized.
Type	Event: This message reports an event, not an error
Severity	critical

- SNMPD_TRAP_GEN_FAILURE

- - **System Log Message** SNMPD_TRAP_GEN_FAILURE:
function-name : SNMP trap error: *trap-message* (*error-message*)
 - **Description** The SNMP agent process (snmpd) could not generate a trap.
 - **Type** Error: An error occurred
 - **Severity** emergency
 - **Cause** An internal software failure occurred.
 - **Action** Contact your technical support representative.

- SNMPD_TRAP_GEN_FAILURE2

- - **System Log Message** SNMPD_TRAP_GEN_FAILURE2:
function-name : SNMP trap error: *trap-message* *index1* *index1* *index2* *index2*
 - **Description** The SNMP agent process (snmpd) could not generate a trap.
 - **Type** Error: An error occurred
 - **Severity** error
 - **Cause** An internal software failure occurred.
 - **Action** Contact your technical support representative.

- SNMPD_TRAP_INVALID_DATA

- - **System Log Message** SNMPD_TRAP_INVALID_DATA:
function-name : SNMP trap error: invalid *field-name* (*value-received*) received
 - **Description** The SNMP agent process (snmpd) received a trap message from a subagent that contained an invalid variable binding (varbind) type.
 - **Type** Error: An error occurred
 - **Severity** error
 - **Cause** An internal software failure occurred.
 - **Action** Contact your technical support representative.

SNMPD_TRAP_NOT_ENOUGH_VARBINDS

System Log Message	SNMPD_TRAP_NOT_ENOUGH_VARBINDS: <i>function-name</i> : SNMP trap error: not enough varbinds for valid header (<i>varbinds-received</i> < <i>varbinds-expected</i>)
Description	The SNMP agent process (snmpd) received a trap message from a subagent that contained fewer variable bindings (varbinds) than expected.
Type	Error: An error occurred
Severity	error
Cause	An internal software failure occurred.
Action	Contact your technical support representative.

SNMPD_TRAP_QUEUED

System Log Message	SNMPD_TRAP_QUEUED: Adding trap to <i>trap-destination</i> to <i>queue-name</i> queue, <i>queue-size</i> traps in queue
Description	A trap was queued for later transmission.
Type	Event: This message reports an event, not an error
Severity	info
Cause	Possible causes include the following: the system is not completely initialized, a route does not exist, or traps are being throttled.

SNMPD_TRAP_QUEUE_DRAINED

System Log Message	SNMPD_TRAP_QUEUE_DRAINED: <i>function-name</i> : traps queued to <i>trap-destination</i> sent successfully
Description	The queued traps for the indicated destination were successfully sent.
Type	Event: This message reports an event, not an error
Severity	info

- SNMPD_TRAP_QUEUE_MAX_ATTEMPTS

- **System Log Message** SNMPD_TRAP_QUEUE_MAX_ATTEMPTS:
function-name : after *number-of-attempts* attempts, deleting *number-of-traps* traps queued to *trap-destination*
- **Description** The number of attempts to send traps to the indicated destination exceeded the configured maximum. The traps still waiting to be sent were discarded.
- **Type** Error: An error occurred
- **Severity** error
- **Action** Contact your technical support representative.

- SNMPD_TRAP_QUEUE_MAX_SIZE

- **System Log Message** SNMPD_TRAP_QUEUE_MAX_SIZE:
function-name : maximum queue size exceeded (*queue-size*), discarding trap to *trap-destination* from *queue-name* queue
- **Description** The number of traps in the trap queue exceeded the configured maximum. The traps still waiting to be sent were discarded.
- **Type** Event: This message reports an event, not an error
- **Severity** info

- SNMPD_TRAP_THROTTLED

- **System Log Message** SNMPD_TRAP_THROTTLED:
function-name : traps throttled after *trap-count* traps
- **Description** The number of traps waiting for transmission exceeded the configured maximum, so the remaining traps were throttled.
- **Type** Event: This message reports an event, not an error
- **Severity** info

SNMPD_TRAP_TYPE_ERROR

System Log Message	SNMPD_TRAP_TYPE_ERROR: <i>function-name</i> : unknown trap type requested (<i>trap-type</i>)
Description	The SNMP agent process (snmpd) received an SNMP Version 1 trap message that included an unknown trap type.
Type	Error: An error occurred
Severity	error
Cause	An internal software failure occurred.
Action	Contact your technical support representative.

SNMPD_TRAP_VARBIND_TYPE_ERROR

System Log Message	SNMPD_TRAP_VARBIND_TYPE_ERROR: <i>function-name</i> : SNMP trap error: expecting <i>varbind-number</i> varbind to be VT_NUMBER (expected-value)
Description	The SNMP agent process (snmpd) received a trap message from a subagent that contained an unexpected variable binding (varbind) type.
Type	Error: An error occurred
Severity	error
Cause	An internal software failure occurred.
Action	Contact your technical support representative.

SNMPD_TRAP_VERSION_ERROR

System Log Message	SNMPD_TRAP_VERSION_ERROR: <i>function-name</i> : SNMP trap error: invalid version signature (0x <i>received-signature</i> != 0x <i>expected-signature</i>)
Description	The SNMP agent process (snmpd) received a trap message from a subagent that contained an invalid version signature in its header.
Type	Error: An error occurred
Severity	error
Cause	An internal software failure occurred.
Action	Contact your technical support representative.

- SNMPD_TRAP_WARM_START

- - **System Log Message** SNMPD_TRAP_WARM_START:
function-name : SNMP trap: warm start
 - **Description** The SNMP agent process (snmpd) generated a warm-start trap when it initialized (other Routing Engine processes were already active).
 - **Type** Event: This message reports an event, not an error
 - **Severity** error

- SNMPD_USER_ERROR

- - **System Log Message** SNMPD_USER_ERROR:
function-name : error in *user-error* user '*username*' auth '*auth-type*' priv '*priv-type*'
 - **Description** The indicated operation (creation, installation, or deletion) failed during configuration of the indicated user.
 - **Type** Error: An error occurred
 - **Severity** error
 - **Cause** An internal software failure occurred.
 - **Action** Contact your technical support representative.

- SNMPD_VIEW_DELETE

- - **System Log Message** SNMPD_VIEW_DELETE:
function-name : deleting view *view-name* oid *oid-name* not found
 - **Description** The SNMP agent process (snmpd) could not service a request to delete the MIB view with the indicated name and object identifier (OID), because it could not find the view.
 - **Type** Error: An error occurred
 - **Severity** error
 - **Cause** An internal software failure occurred.
 - **Action** Contact your technical support representative.

SNMPD_VIEW_INSTALL_DEFAULT

System Log Message	SNMPD_VIEW_INSTALL_DEFAULT: <i>function-name</i> : error installing default <i>view-mode</i> view <i>view-name</i>
Description	The SNMP agent process (snmpd) could not install one of the default views.
Type	Error: An error occurred
Severity	error
Cause	An internal software failure occurred.
Action	Contact your technical support representative.

SNMPD_VIEW_OID_PARSE

System Log Message	SNMPD_VIEW_OID_PARSE: <i>function-name</i> : oid parsing failed for view <i>view-name</i> oid <i>oid-name</i>
Description	The SNMP agent process (snmpd) could not parse the object identifier (OID) configured for the indicated MIB view.
Type	Error: An error occurred
Severity	error
Cause	An internal software failure occurred.
Action	Contact your technical support representative.

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